

Radiopaque bioactive microspheres as injectable biomaterials

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Propositions belonging to the thesis:

Radiopaque Bioactive Microspheres as Injectable Biomaterials

by Ketie Saralidze

- 1) Covalent coupling of thrombin to polymeric microspheres does not only lead to rapid fibrin deposition on their surface, but also to an accelerated thrombin generation in the surrounding blood. (this thesis, chapter 5)
- 2) Collagen-modified radiopaque microspheres show an enhanced interaction with cells *in vitro*. (this thesis, chapter 6)
- 3) Incorporation of covalently bound iodine in polymeric microspheres results in sufficient X-ray visibility under realistic clinical conditions. (this thesis, chapter 7)
- 4) Covalent coupling of proteins to solid surfaces depends not only on the physico-chemical surface characteristics, but also on the nature of the protein and its environment. (this thesis, chapters 4 - 6)
- 5) Use of intrinsically radiopaque microspheres could possibly improve the outcome of embolization therapy for the treatment of uterine fibroids. (*J Vasc Interv Radiol* 2004; 17: 471 and *Abdom Imag* 2004; 29: 128)
- 6) The increasing demand for applied science is fed by the naïve misconception that the answer is known at the moment a scientific question is formulated.
- 7) The current rise of public-private research consortia in the Netherlands seriously threatens curiosity-driven, fundamental long-term research; such research can foster only in a truly academic environment.
- 8) According the theory of the “observer effect”, genuine *reality-shows* on television are not possible.
- 9) It seems unfair to convict athletes for use of performance-enhancing drugs and not to indite artists for the use of psychedelic drugs.
- 10) The proper manner of calligraphy is nothing other than to avoid being careless, but in this way one's writing will simply be sluggish and stiff. One should go beyond this and depart from the norm. This principle applies to all things. (*Hagakure, The Way of the Samurai*, Yamamoto Tsunetomo, 1716)
- 11) It is a misconception to think that the revolutions in Georgia (2003) and the Ukraine (2004) were supported by Dutch florists and football fans.